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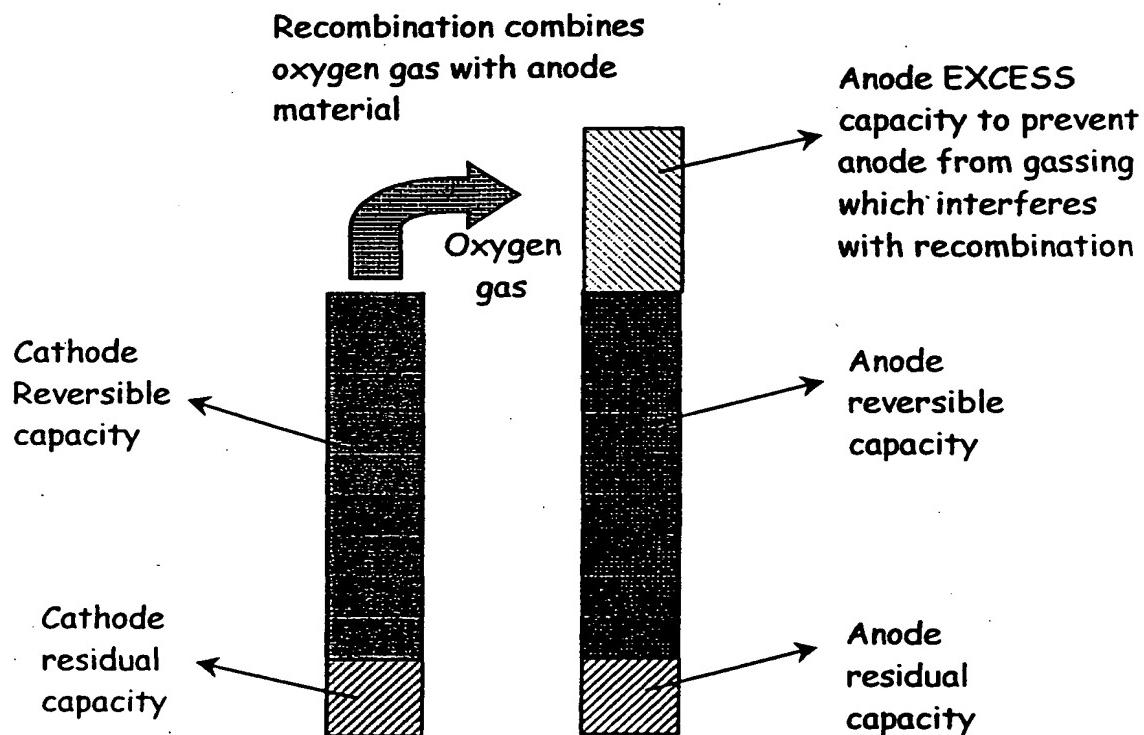
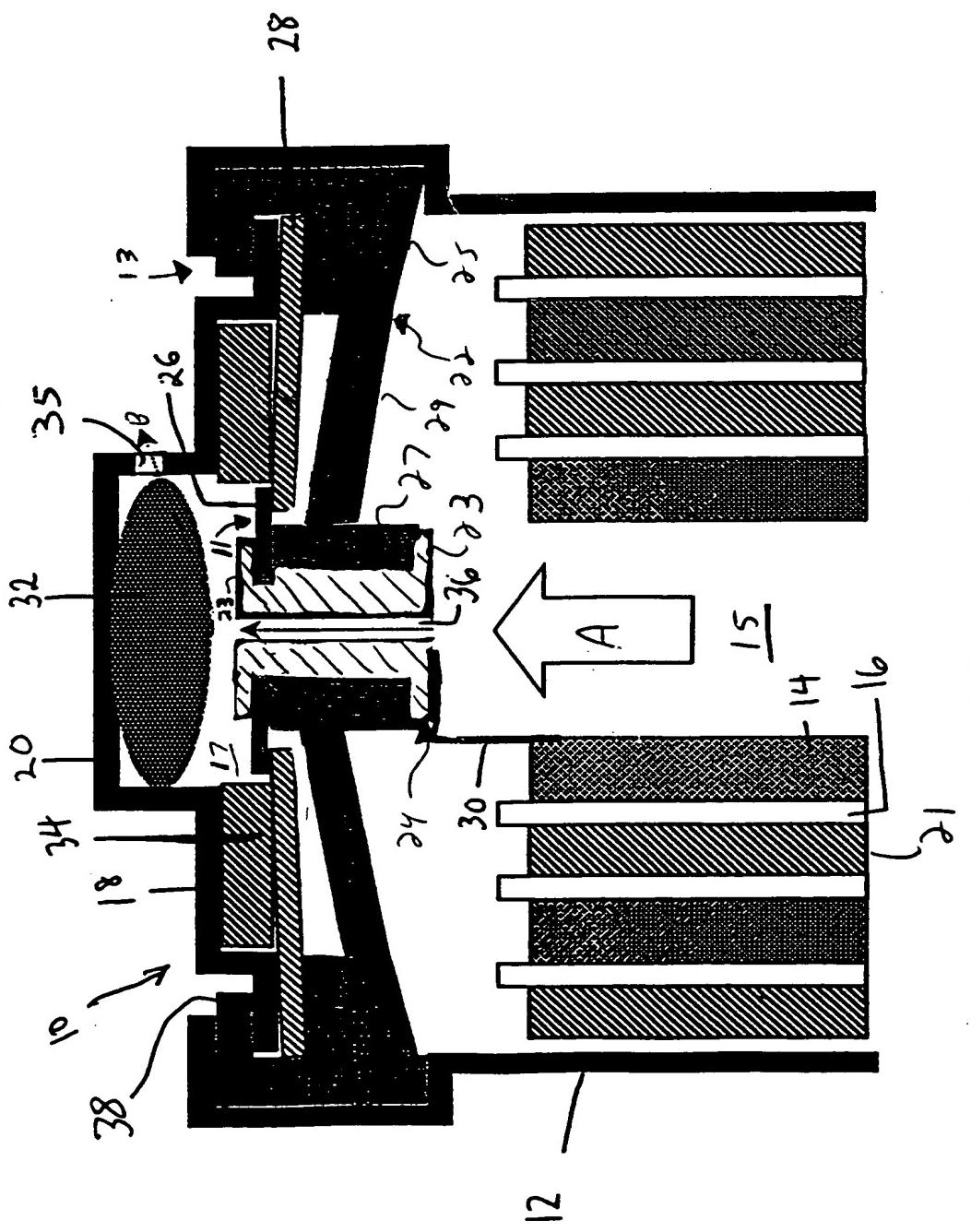


FIG 1



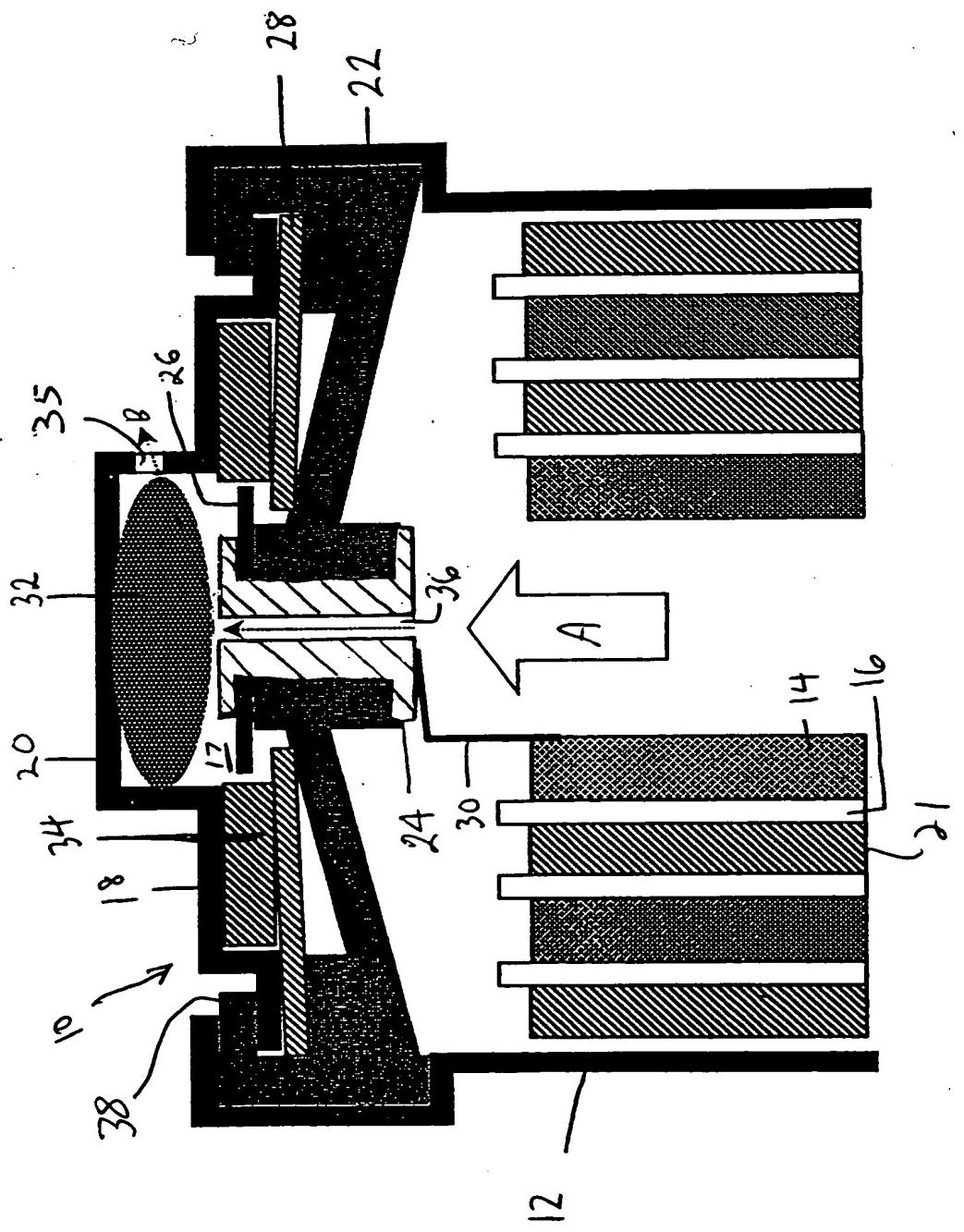
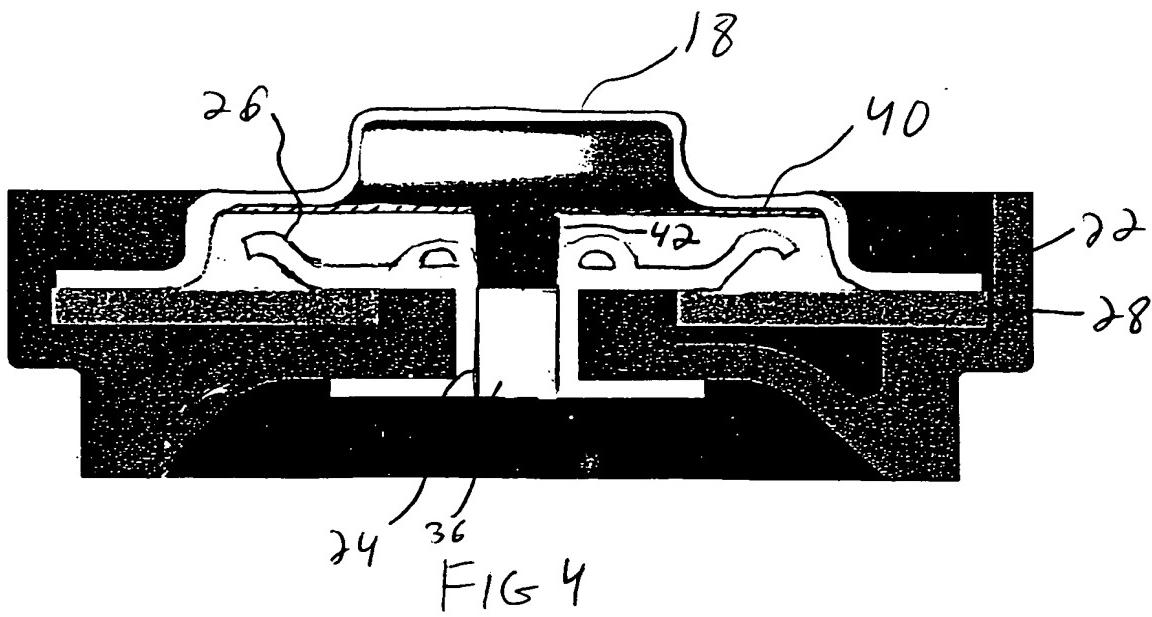
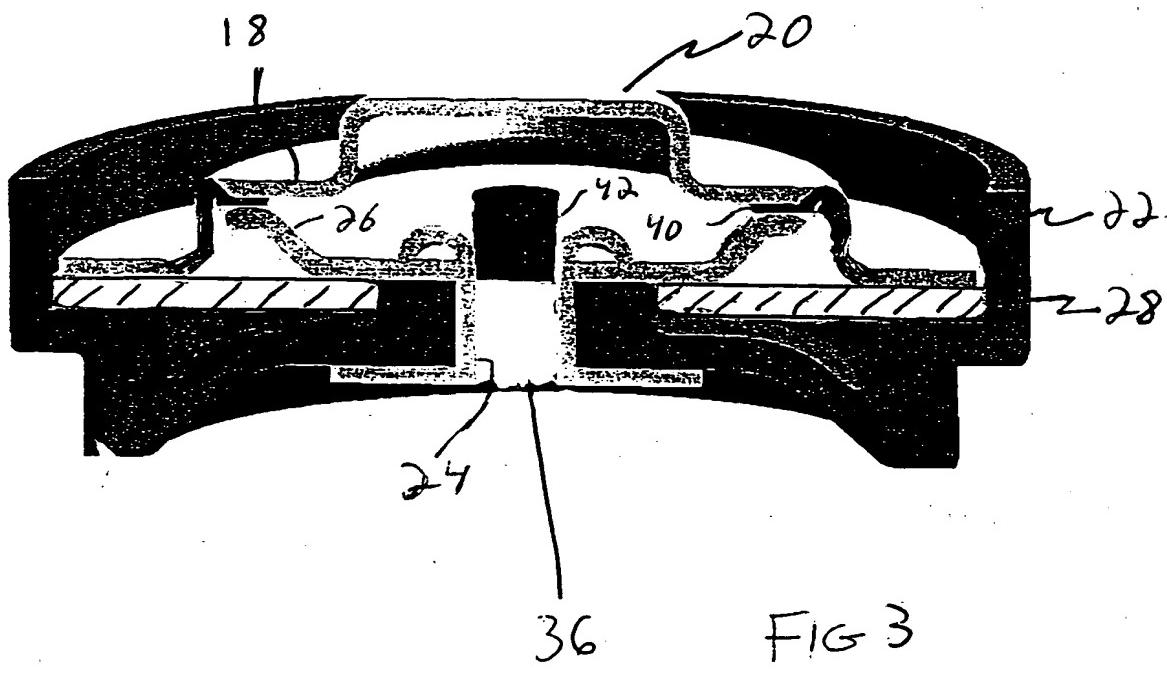


FIG. 28



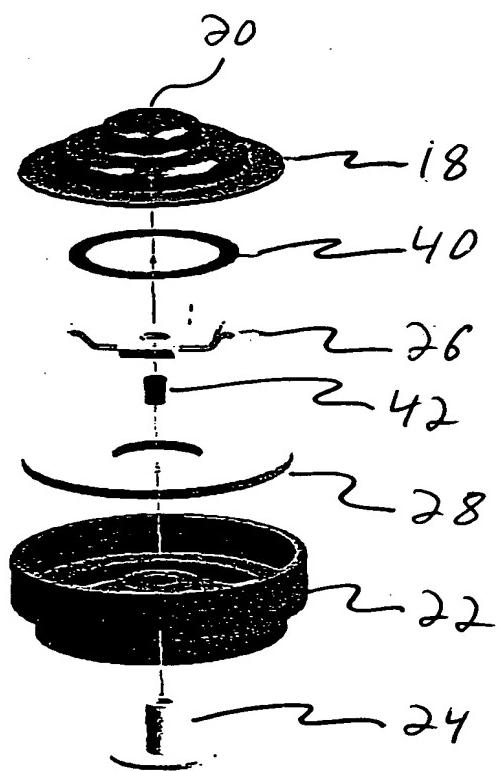


FIG. 5

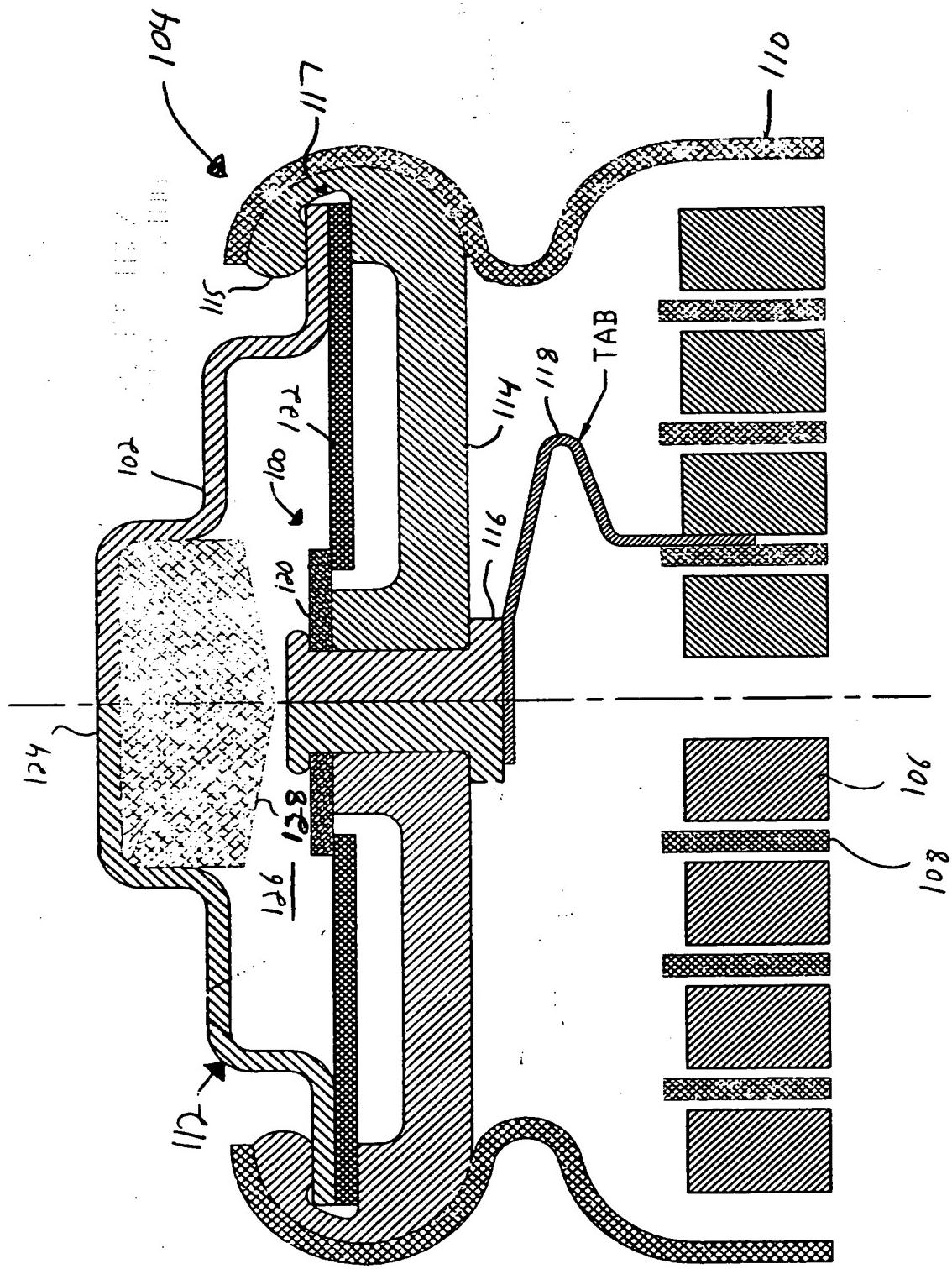


FIG 6

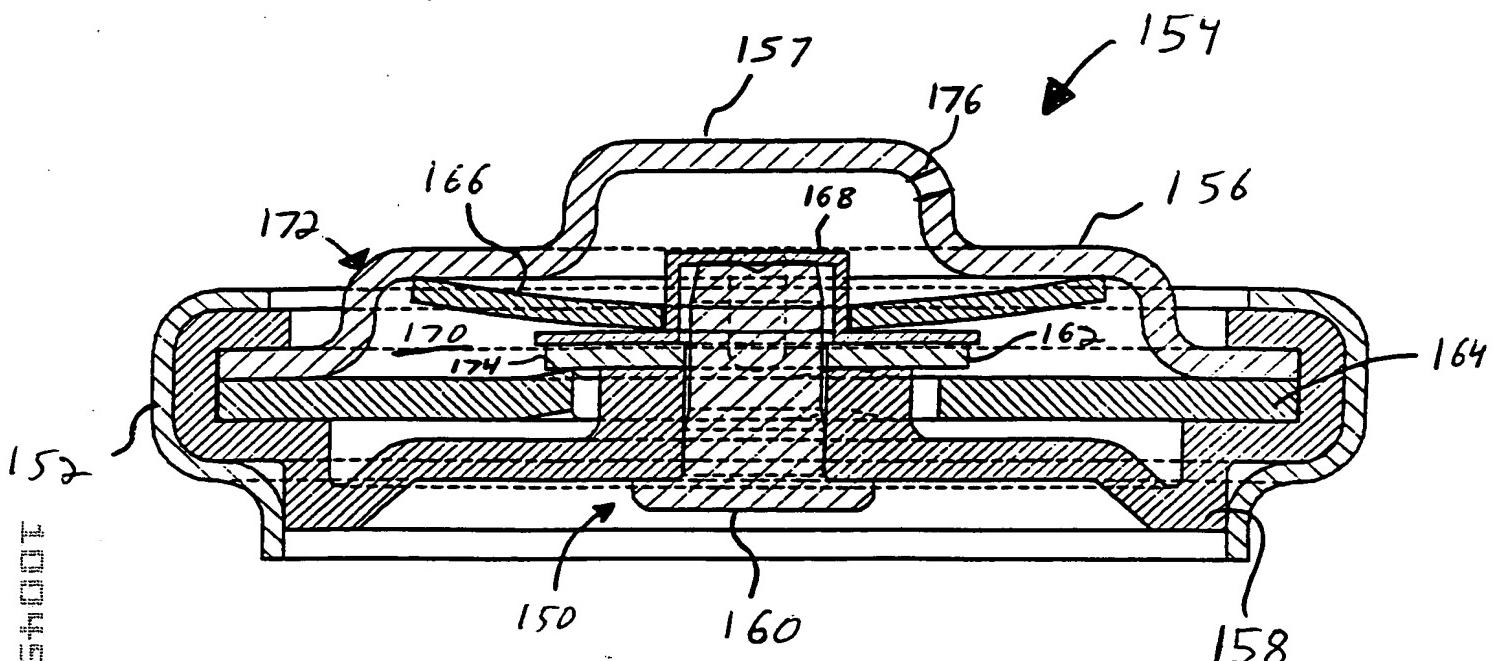


Fig. 7

Figure 8 Nickel metal hydride cell pressure and temperature during alternating current or constant current charge.

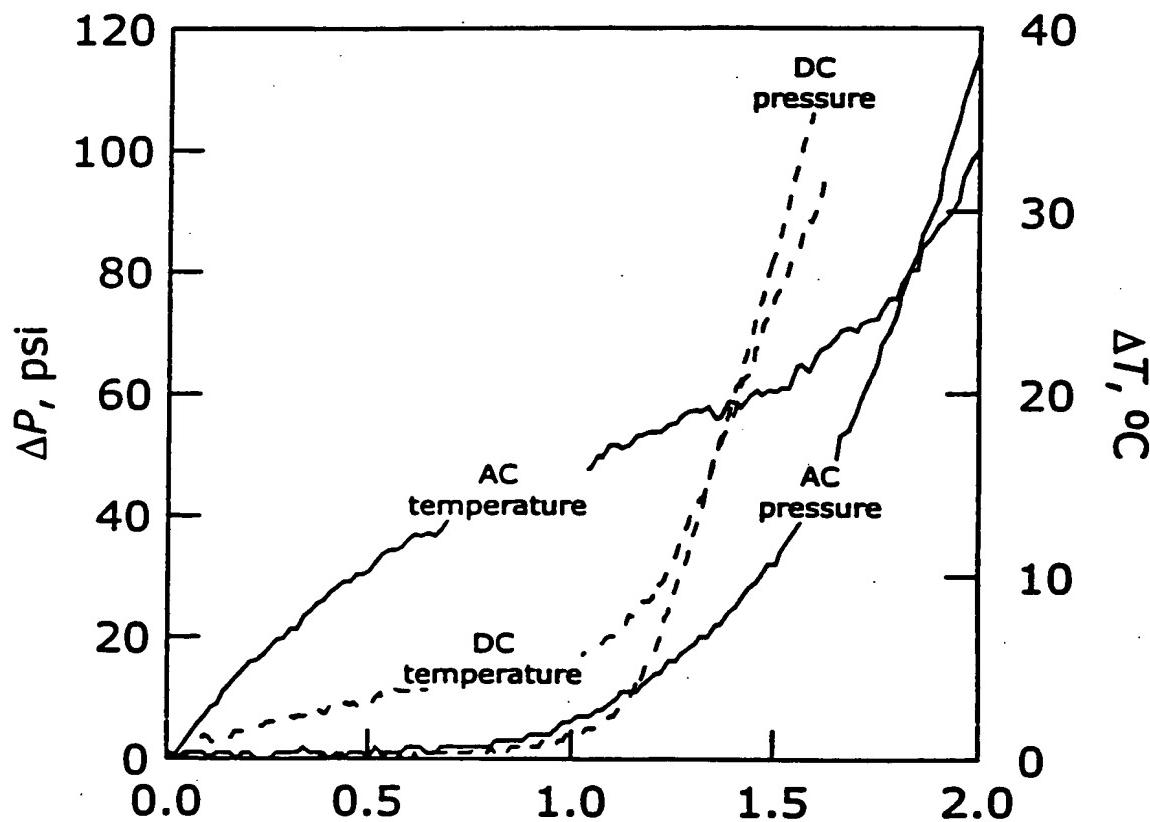
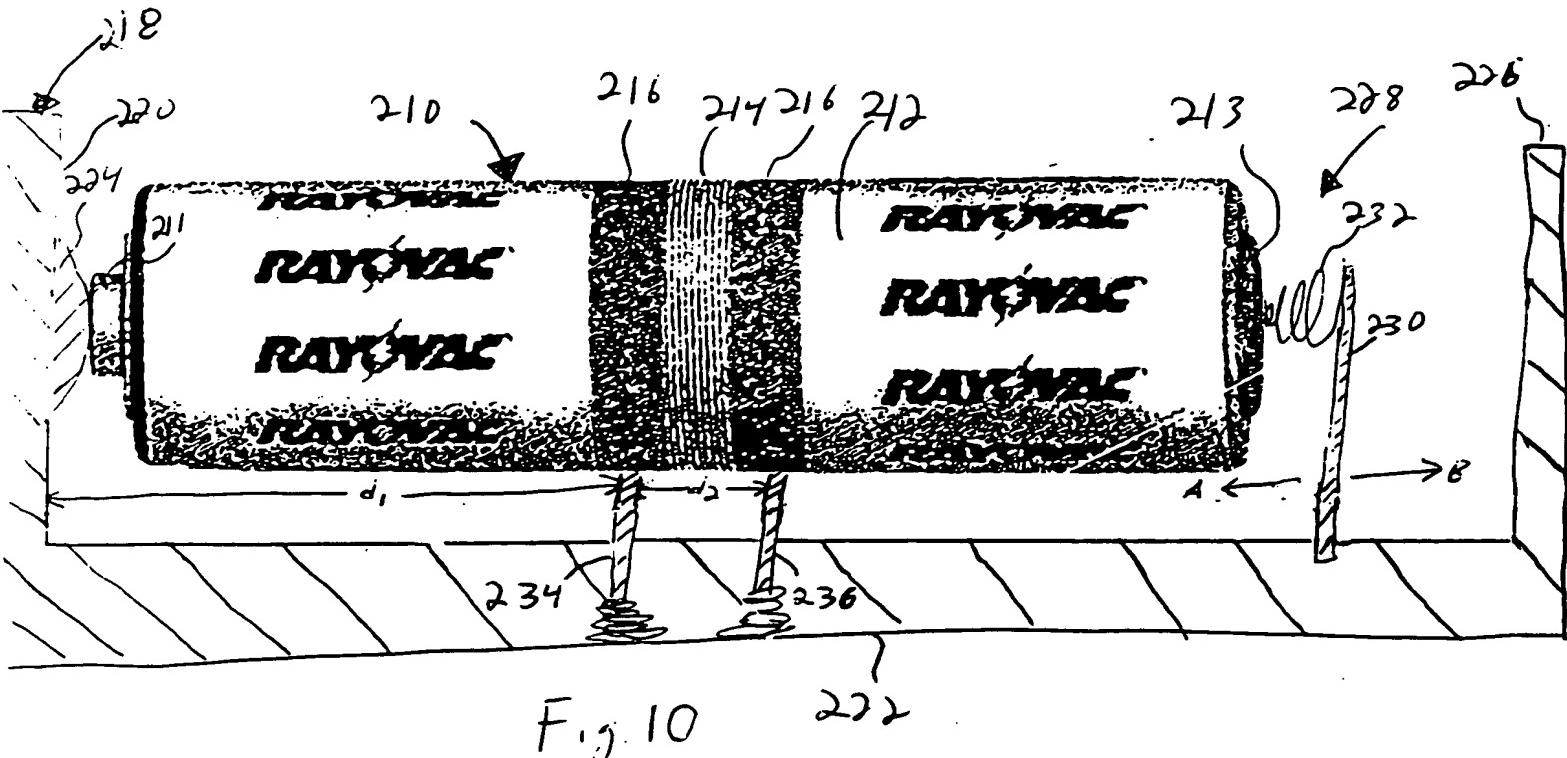
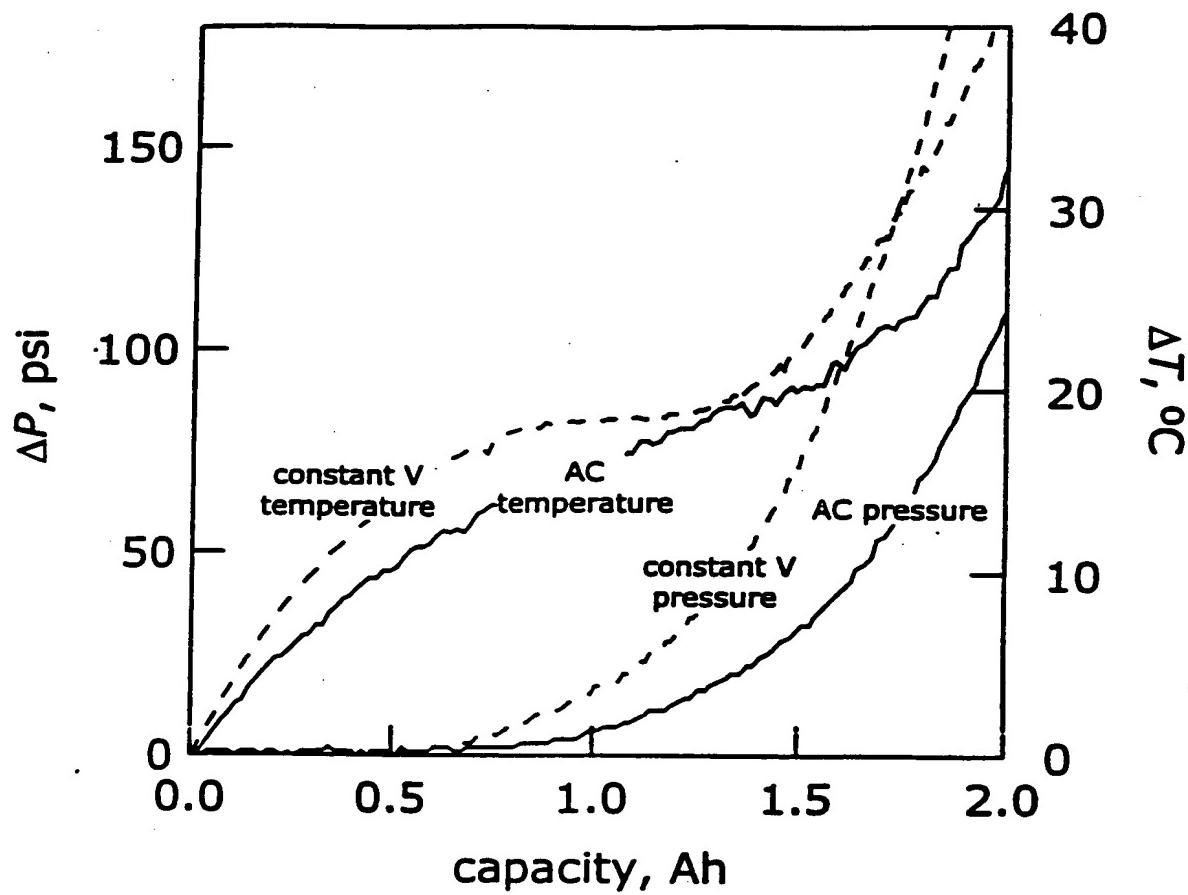


Figure 9 Nickel metal hydride cell pressure and temperature during alternating current or constant voltage charge.

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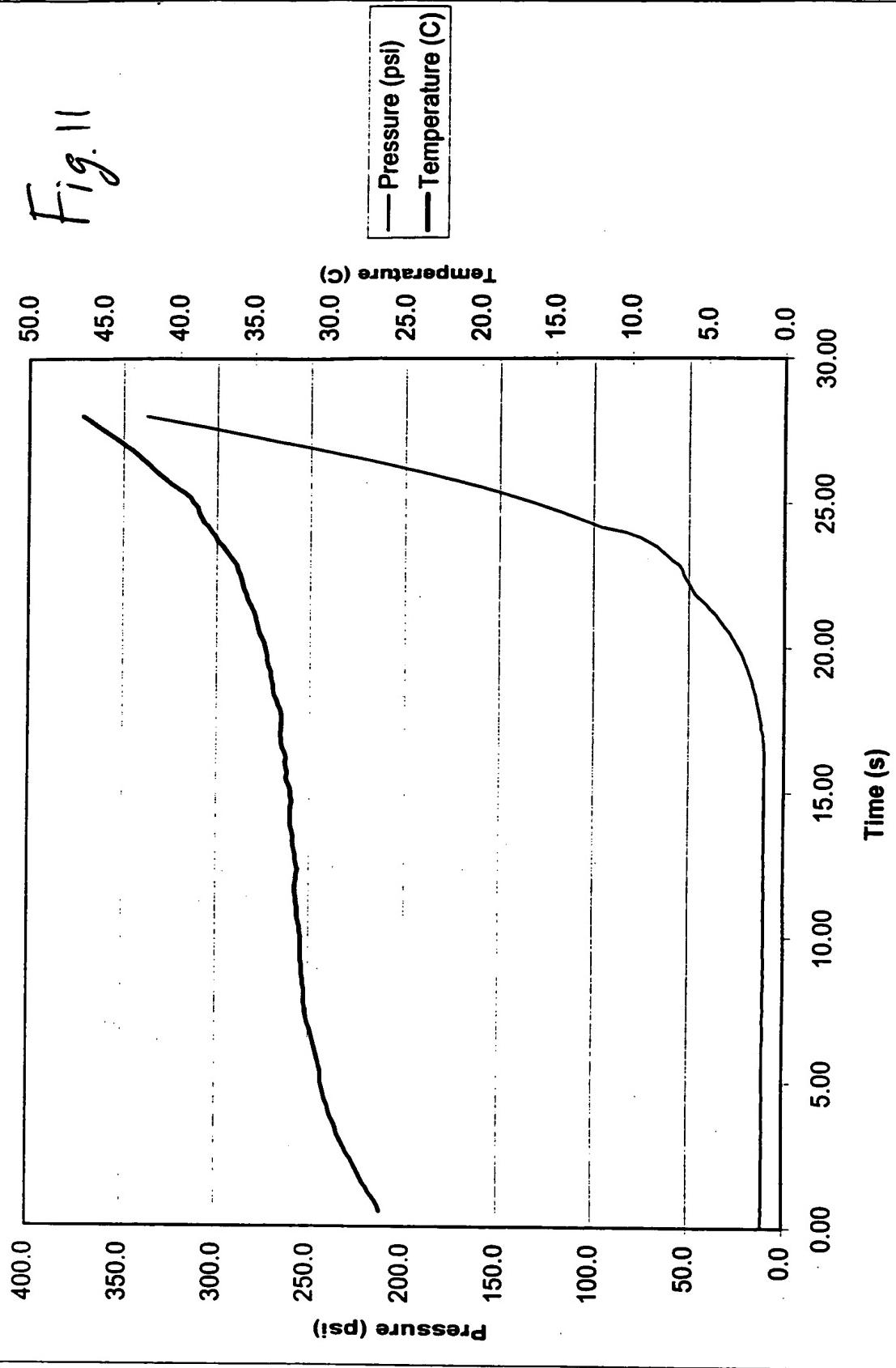


Fig.12

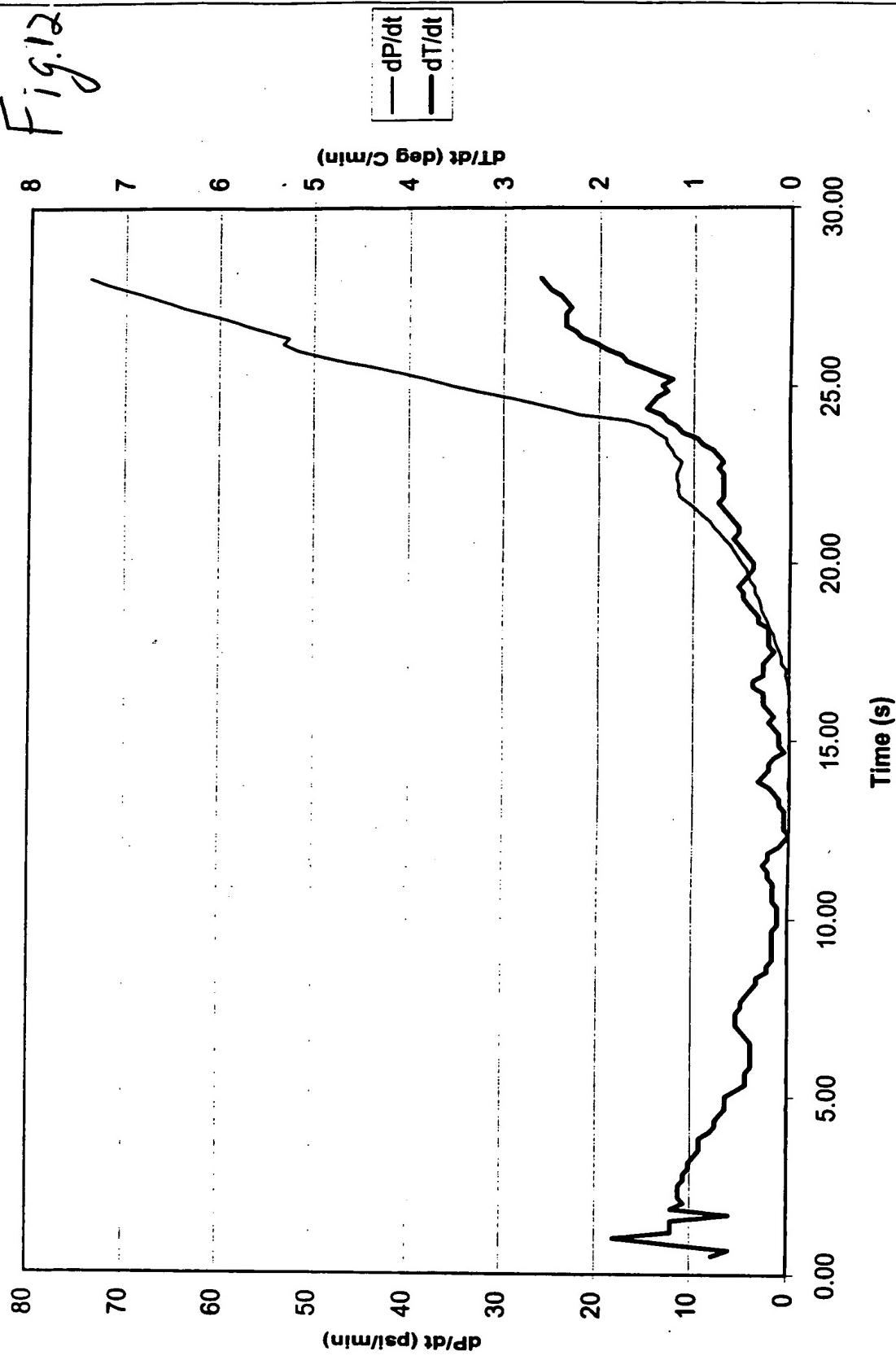
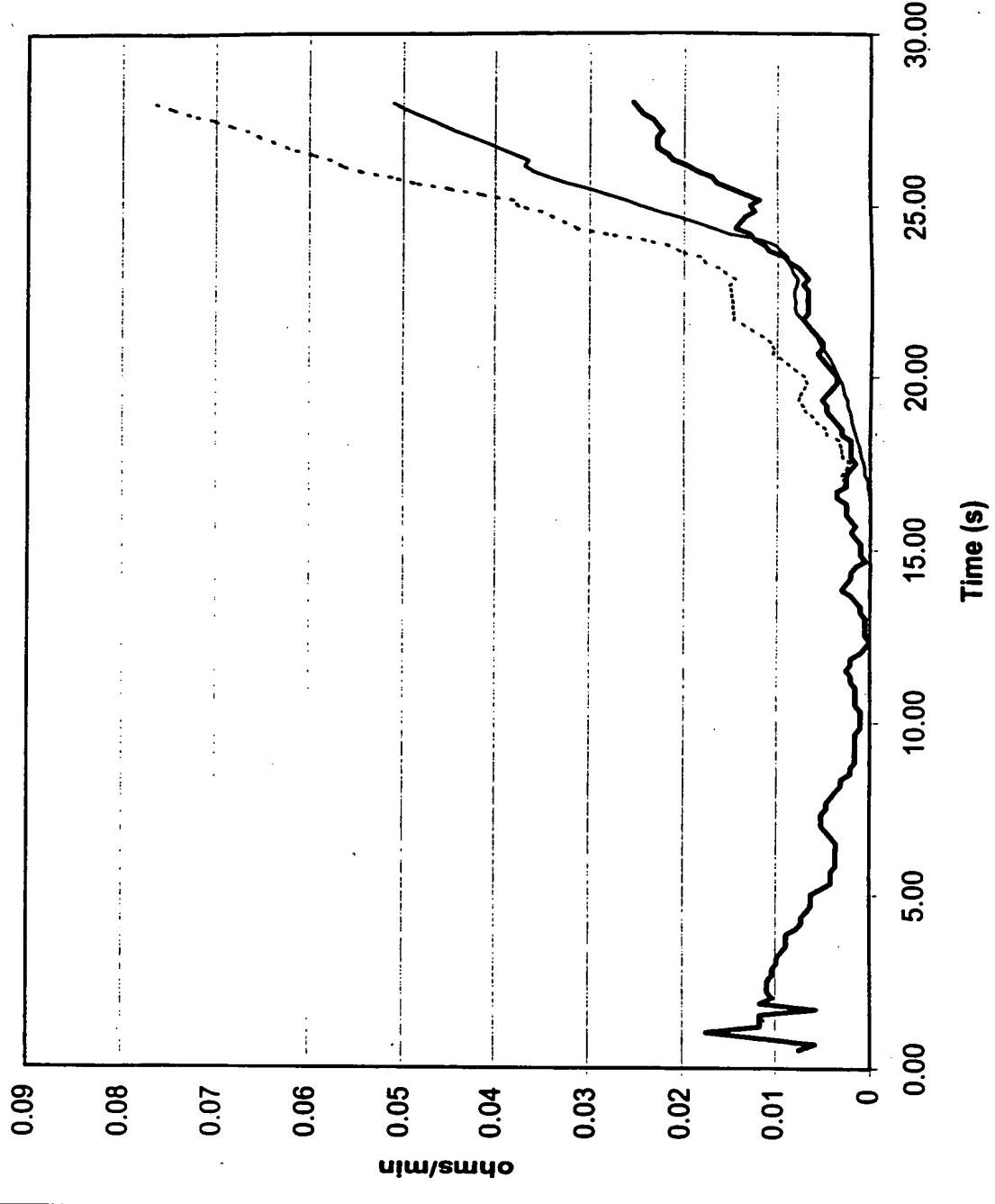


Fig. 13

R kg dP/dt D/2Et  
R kg kt dT/dt  
dR/dt



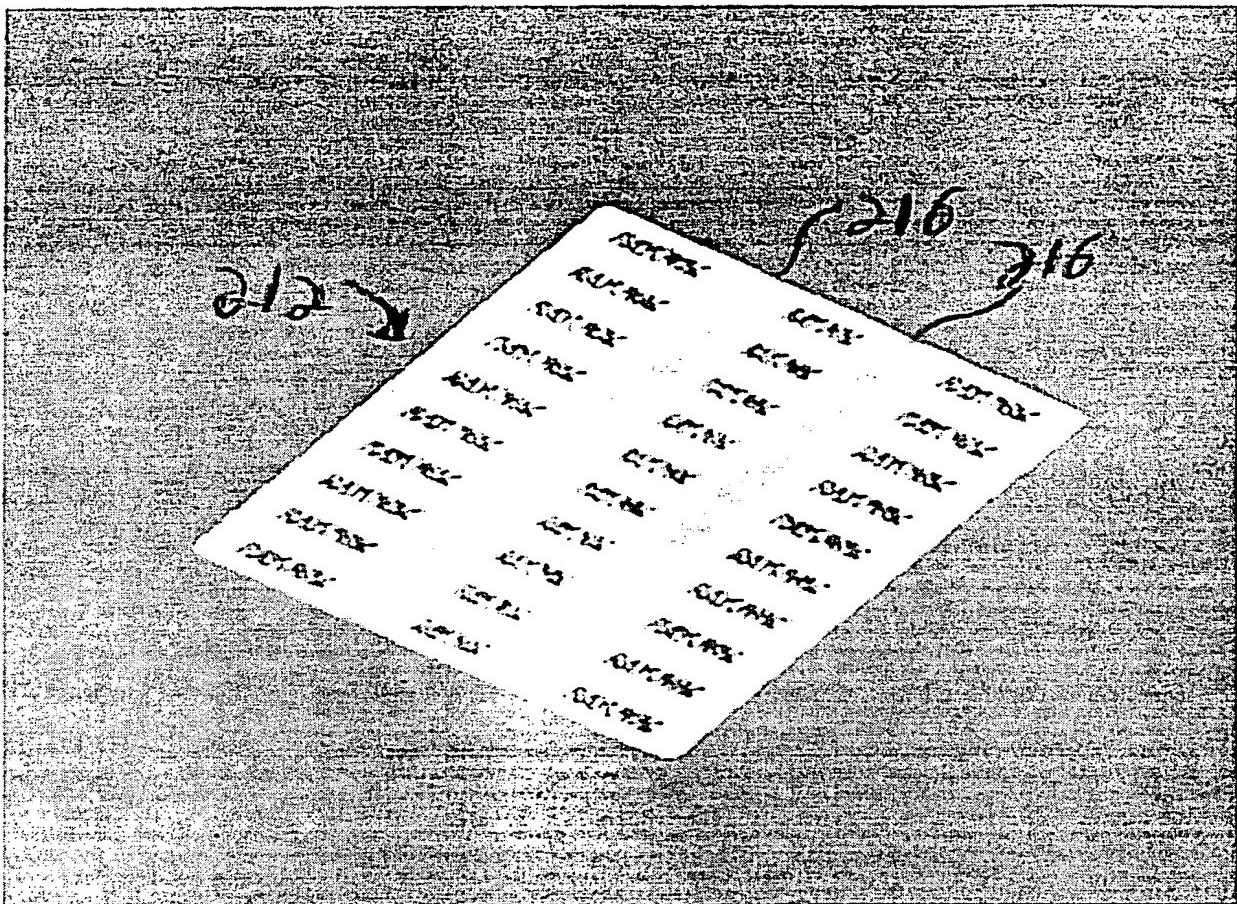


Fig. 14

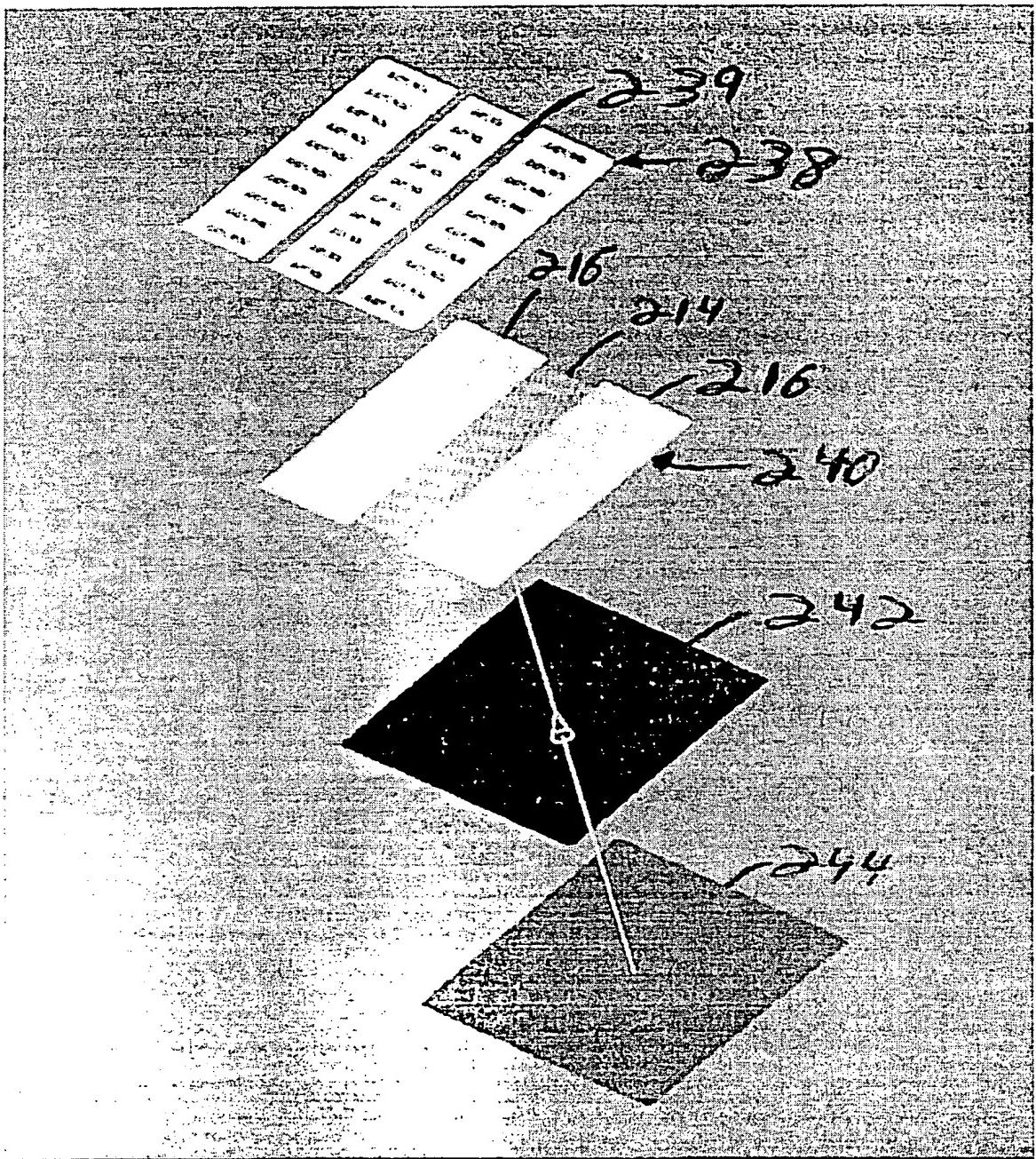


Fig. 15

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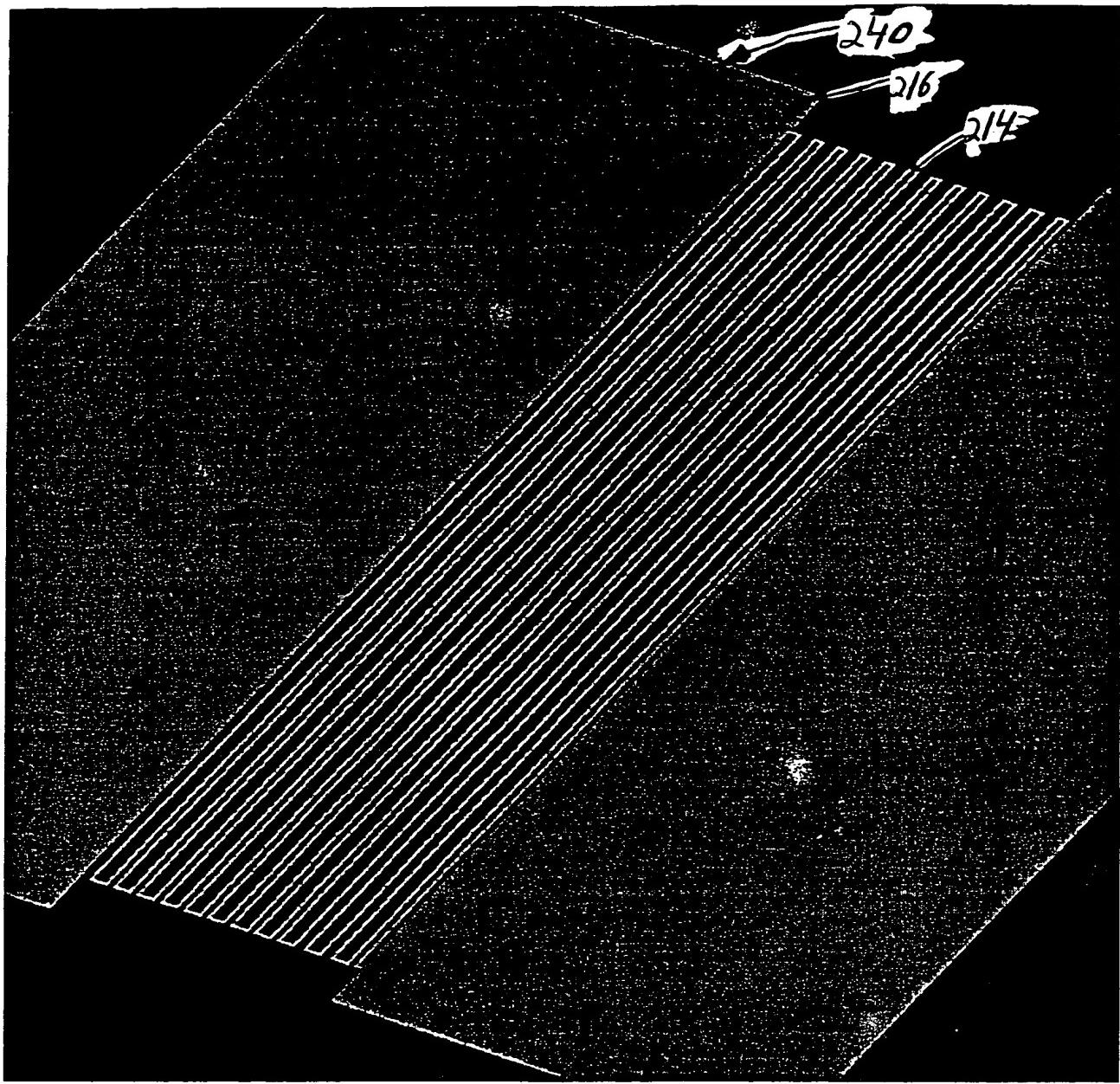


Fig. 16

Fig 17 Internal pressure of multiple  
cells on 15 min. charged 1 hr. discharge

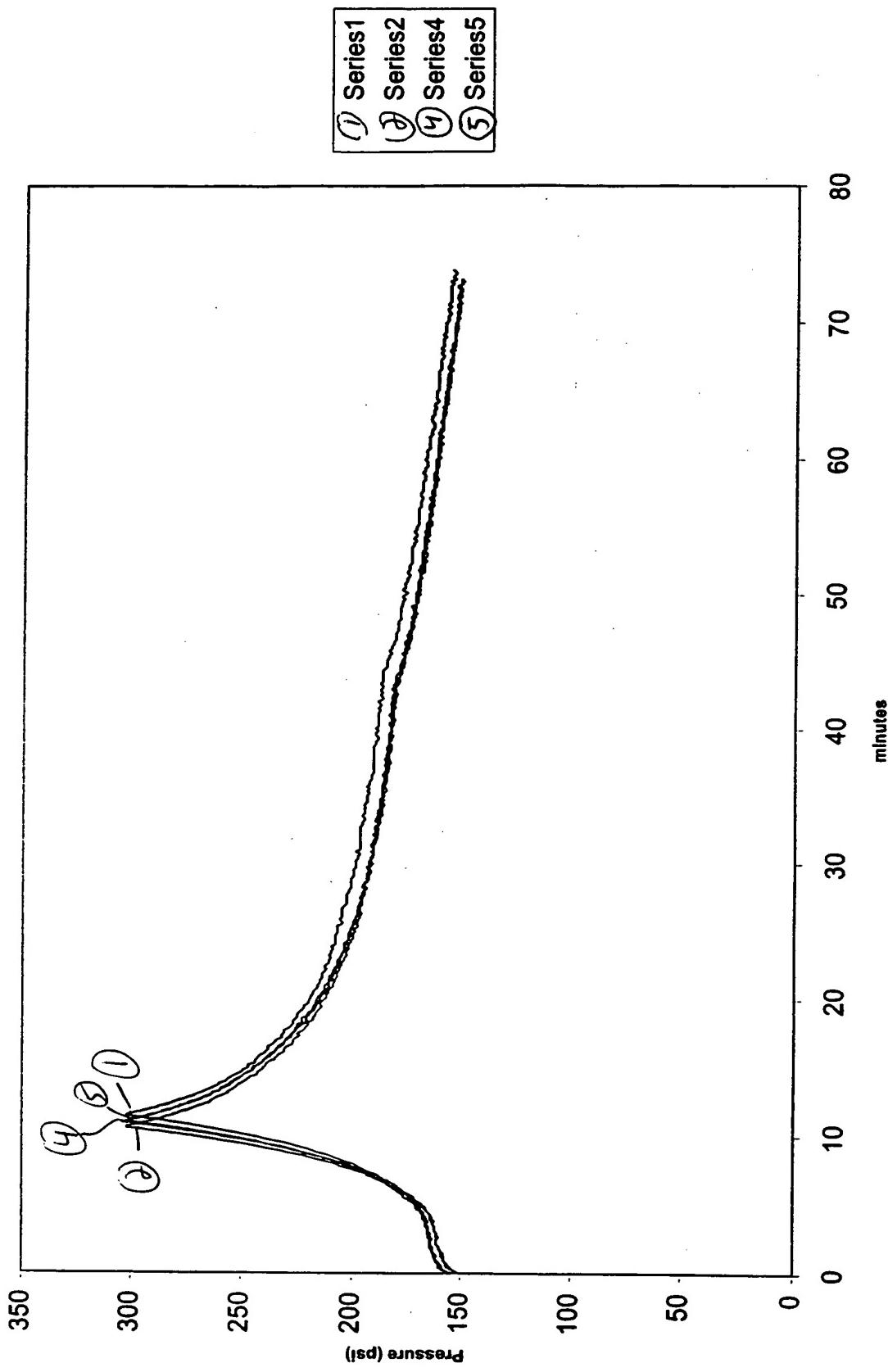
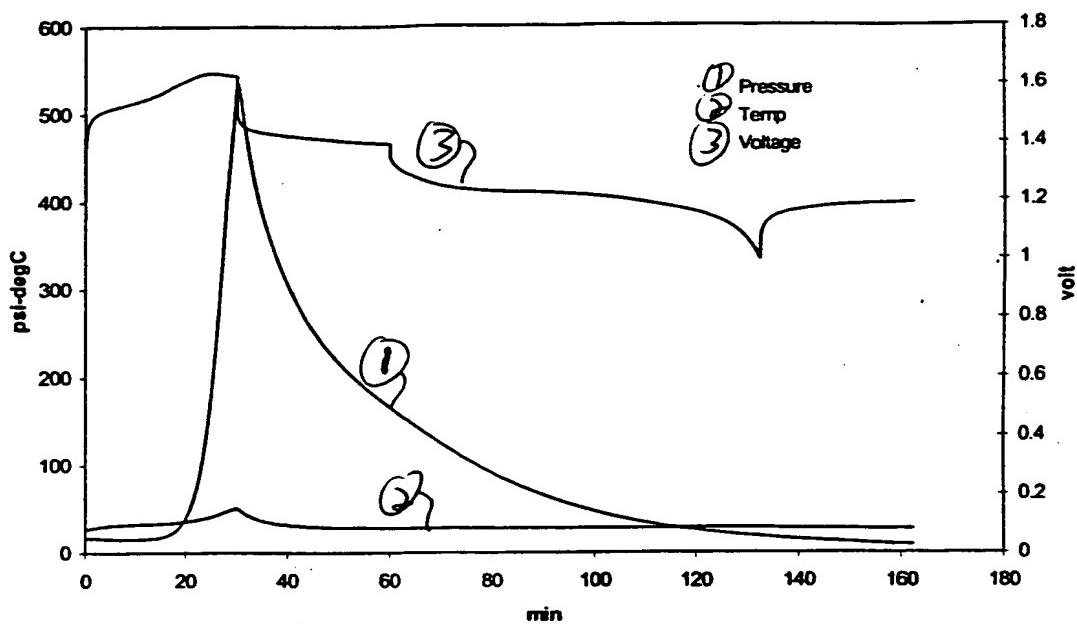


Fig. 18 1300 mAh nickel-metal hydride cell  
with 30 minute constant current charge



TESTS ON THE 1300 mAh cell

Figure 19  
1300 mAh cell - Pressure rise and Fall  
vs. cycle life number

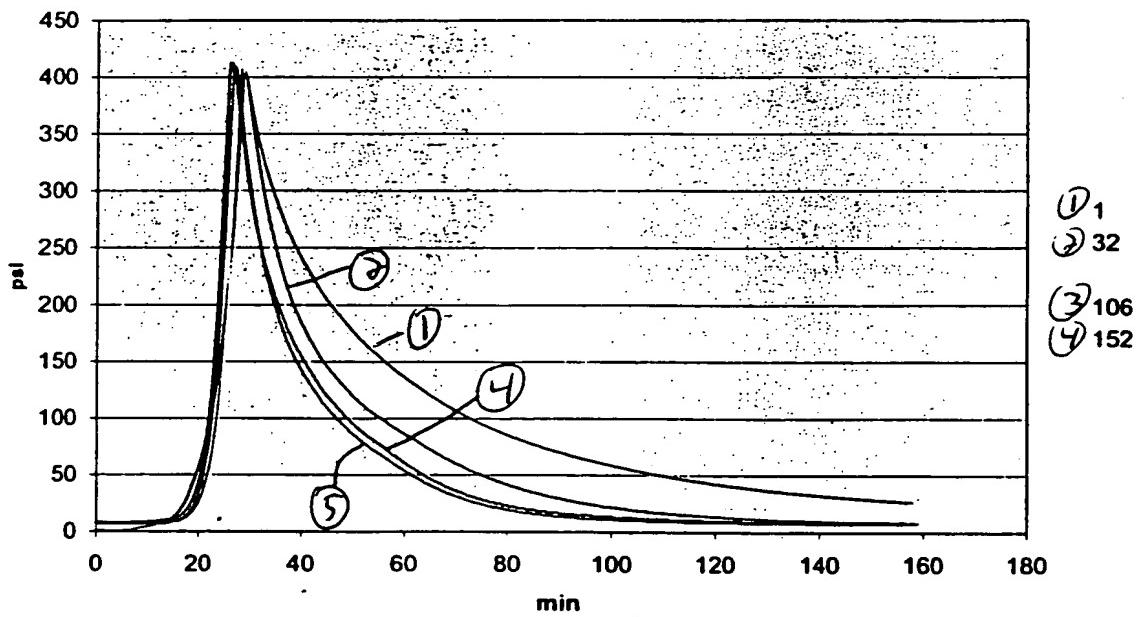


Figure 20

1300 mAh cell - Pressure rise versus Cycle Life number

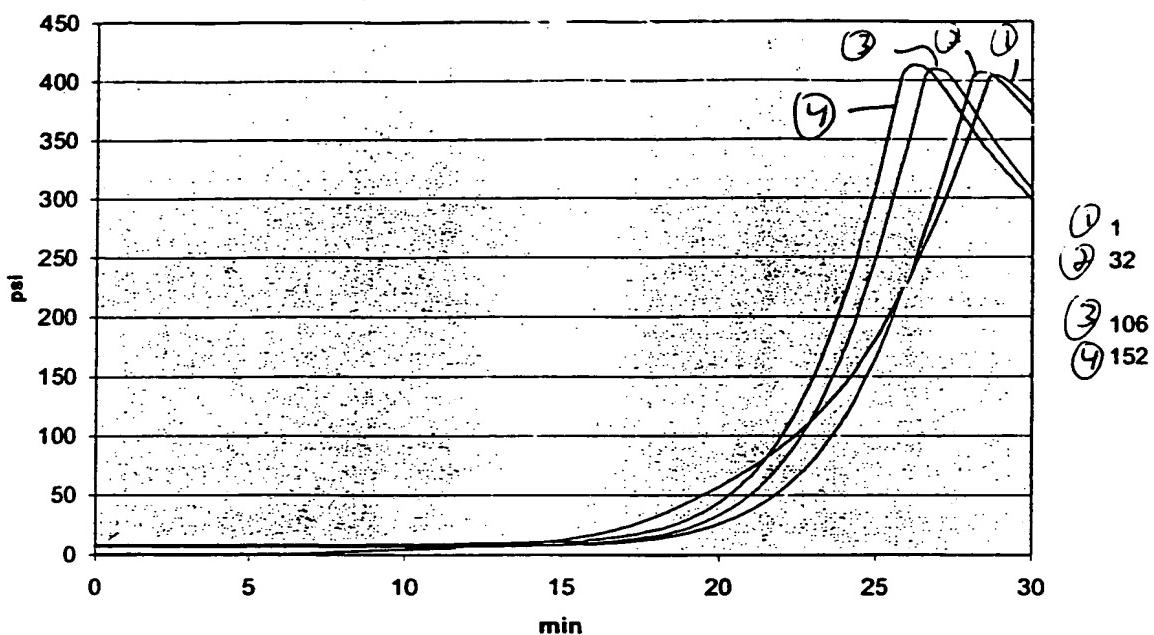


Fig 21

1300 mAh cell - Pressure fall vs. cycle life number

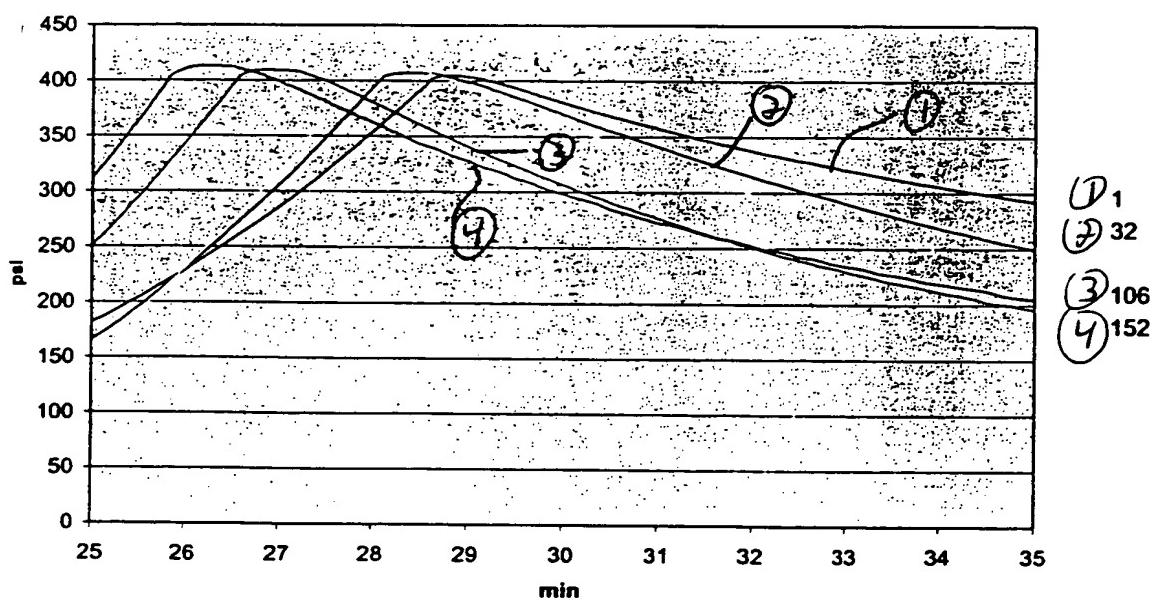


Figure 2-2

1300 mAh cell - Rise and fall of Pressure,  
Temperature and voltage vs. cycle life number

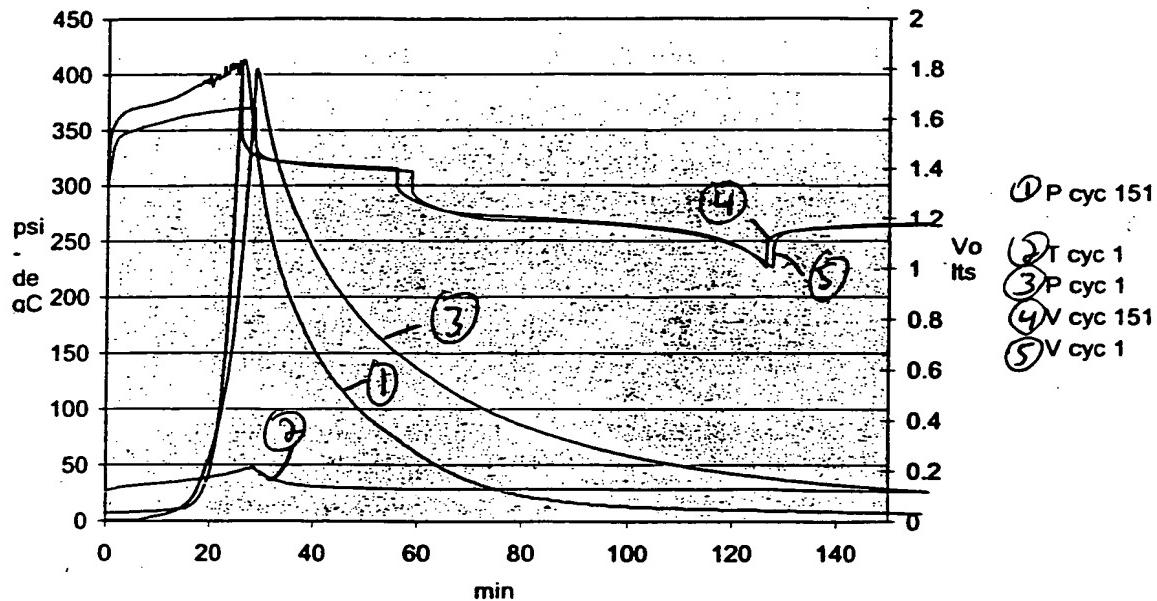


Figure 2-3

1100 mAh cell - pressure rise and fall of  
multiple cells vs. cycle life number

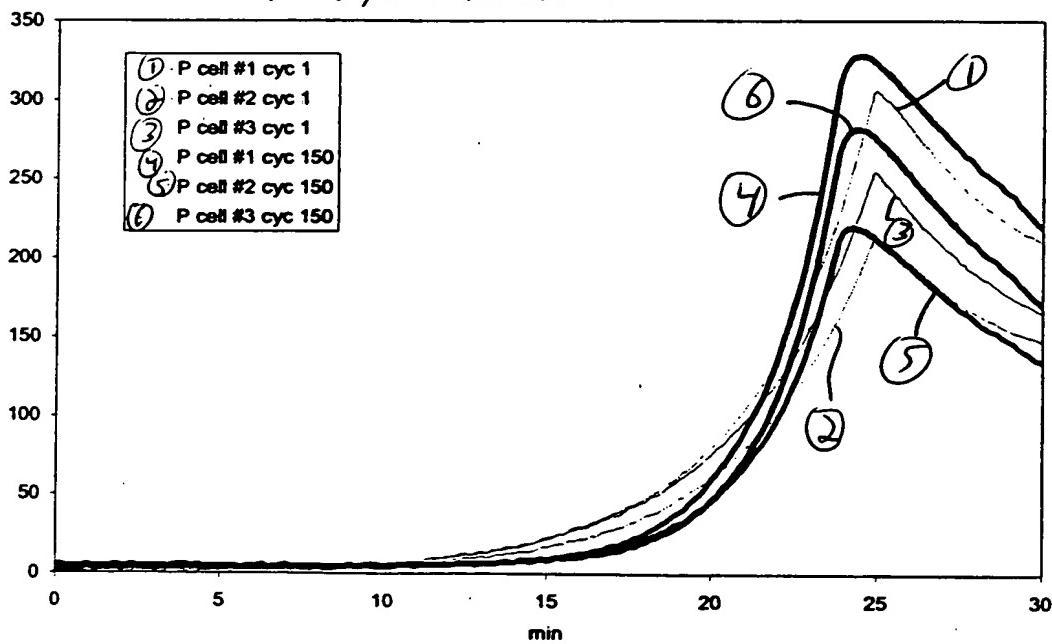
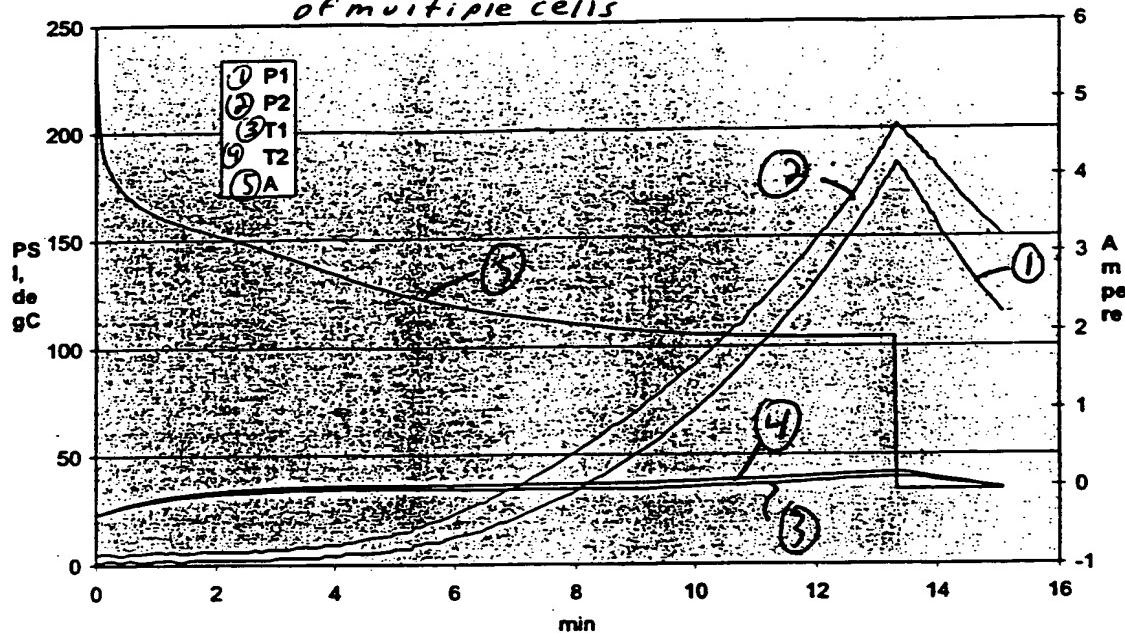
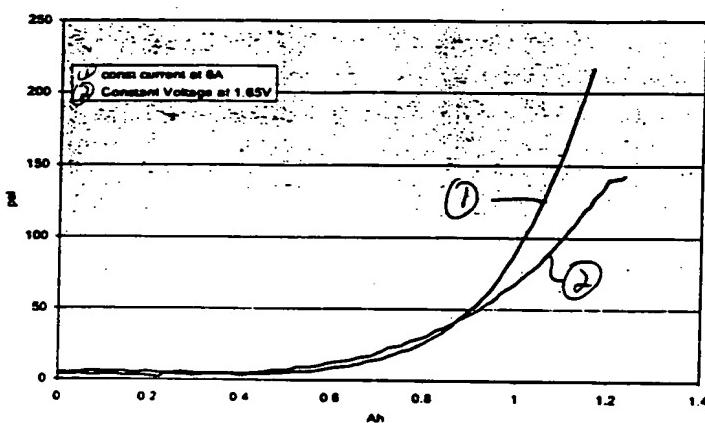


Figure 24

550 mAh cell - Pressure, Temperature and current rise and fall during constant voltage charge of multiple cells

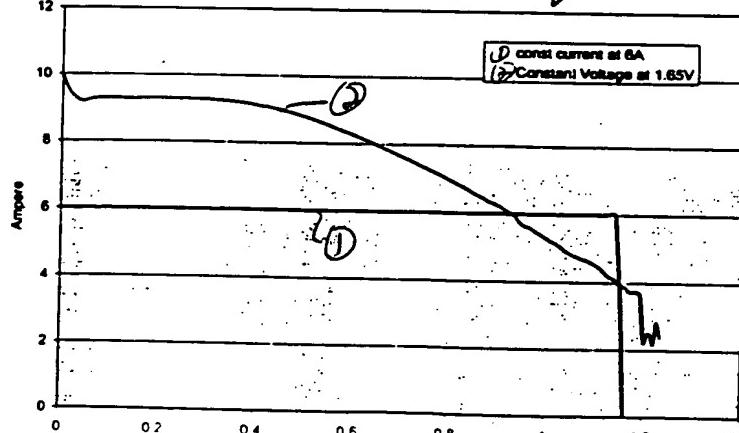


Interval pressure of 1300 mAh Nickel-metal hydride cell - comparing constant current vs. constant voltage



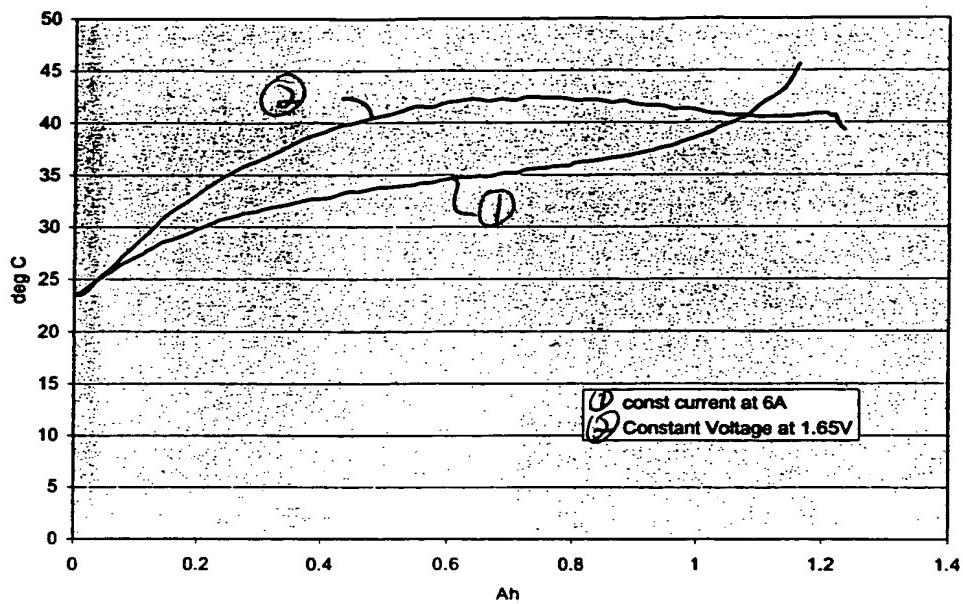
Current during charge of 1300 mAh Nickel-metal hydride CR11 - comparing constant current vs. constant voltage

Fig. 26



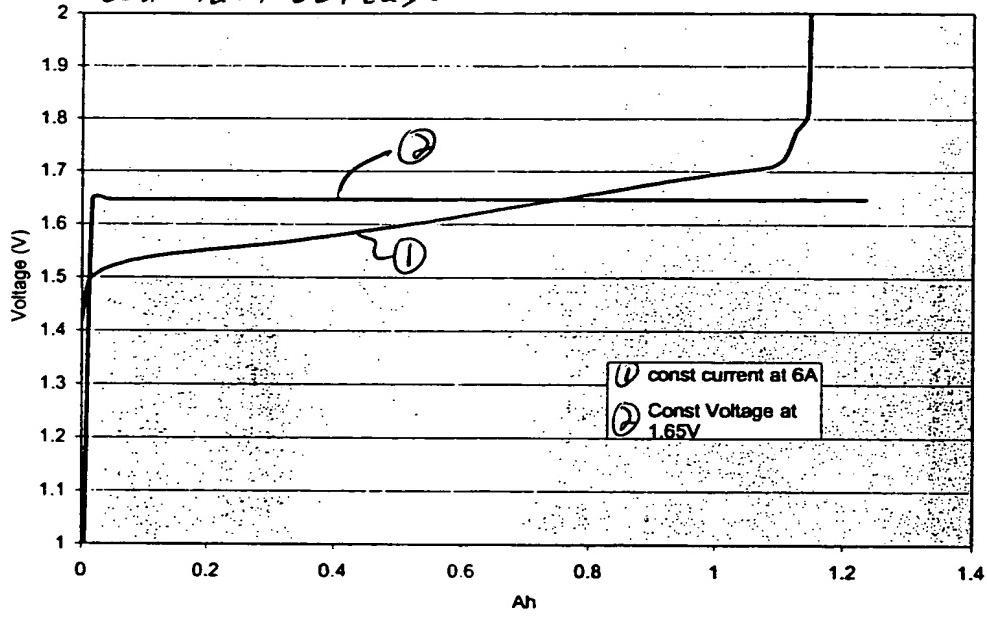
Temperature of 1300 mAh Nickel-metal hydride cell - comparing constant current vs. constant voltage

Fig. 27



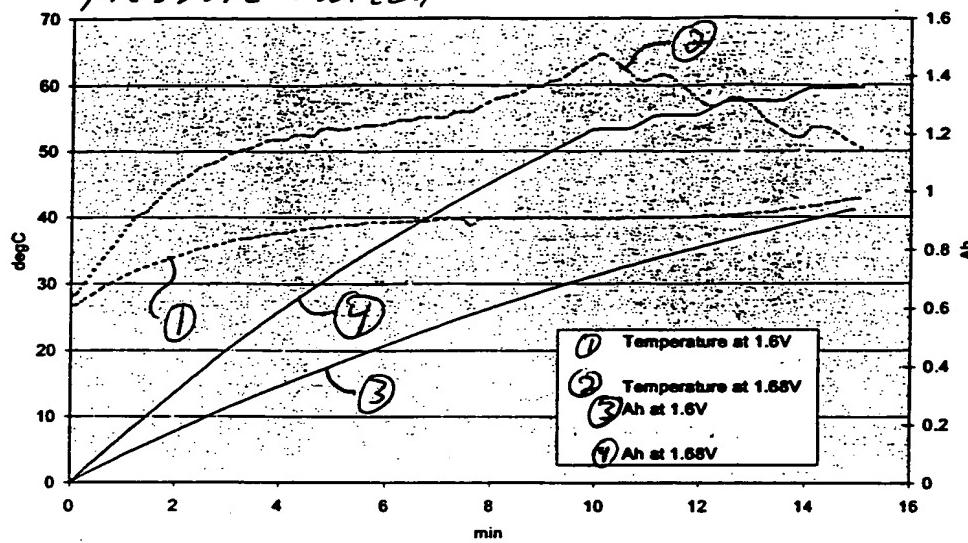
Voltage rise during Charge of 1300 mAh Nickel-metal hydride cell - comparing constant current vs. constant voltage

Fig. 28



Effect of different charge voltage of Nickel-metal hydride cell equipped with end cap pressure switch

Fig. 29



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